

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jean-Michel Daga et al.

PATENT APPLICATION

Serial No.: 10/810,033

Group Art Unit: 2816

Filed: March 26, 2004

Examiner: A.Q. Tra

Confirmation No.: 8427

Atty. Docket No.: ATM-276

For: HIGH EFFICIENCY, LOW COST, CHARGE PUMP CIRCUIT

DECLARATION OF PRIOR INVENTION IN WTO COUNTRY TO OVERCOME
CITED PUBLICATION (37 C.F.R. § 1.131)

1. This declaration is to establish diligence of the Applicants from prior to September 24, 2003 the effective filing date of the U.S. Patent Application Publication No. 2004/0104761 reference up to a constructive reduction to practice on December 19, 2003 obtained by the filing of a French Patent Application for the same invention that was subsequently filed in the U.S. Patent Office on March 26, 2004, claiming a priority date of December 19, 2003.
2. Jean-Michel Daga and Emmanuel Racape are the named inventors of U.S. Patent Application No. 10/810,033, "High Efficiency, Low Cost, Charge Pump Circuit," filed March 26, 2004 in the U.S. Patent and Trademark Office.
3. I am the Senior Partner in the Schneck & Schneck Law Firm that is outside Patent Counsel to Atmel Corporation. The above-identified Patent Application was prepared under my supervision.
4. A first draft of a patent application for this case was prepared and forwarded on October 29, 2003 to Atmel Corporation, the assignee of the present invention. The first draft was to be forwarded to the inventors for their comments. See Exhibit 1.
5. I received a facsimile transmission dated December 4, 2003 that had attached the inventors' comments for a revised draft patent application that had previously been sent by me to Atmel Corporation on November 21, 2003. See Exhibit 2.

6. A patent application based on the invention was filed in France (a WTO country) on December 19, 2003. A patent application taking priority from the application filed in France was filed in the United States on March 26, 2004. A copy of a certified copy of the French Filing Receipt for French Application No. 03/15119, filed December 19, 2003, is attached as Exhibit 3 (3 pages). A copy of the U.S. Utility Patent Application Transmittal Letter is attached as Exhibit 4 and claims priority from a French Application No. 03/15119, filed on December 19, 2003. Also, attached is Exhibit 5, a copy of the U.S. Declaration for Utility Patent Application, claiming priority from the French Application No. 03/15119, filed December 19, 2003.

7. All inventive acts and activities or related to the invention described in the French and U.S. patent applications took place in France, a WTO country. Patent drafting activity by Atmel Corporation's legal counsel took place in the United States.

8. As a person signing below, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true. These statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States code, and that such willful false statements may jeopardize the validity of U.S. Patent Application No. 10/810,033 or any patent issued thereon.

Signature Thomas Schneck Date 12/15/2005
Thomas Schneck

Attachments: Exhibits 1-5



Thomas Schneck
David M. Schneck
Gina McCarthy
Nissa M. Stroitman

Law Offices of
SCHNECK & SCHNECK

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SAN JOSE, CALIFORNIA 95109-0005

80 S. Market Street
Third Floor
San Jose, California 95113-2303

Email: webmail@patentvalley.com

Telephone: (408) 297-9733

Facsimile: (408) 297-9748

EXHIBIT 1

Patents and Trademarks

* * ATTORNEY CLIENT COMMUNICATION / ATTORNEY WORK PRODUCT * *

October 29, 2003

John McGuire, Esq.
Intellectual Property Counsel
Atmel Corporation
2325 Orchard Parkway
San Jose, CA 95131

Re: Draft Patent Appln. Entitled:
HIGH EFFICIENCY, LOW COST,
CHARGE PUMP CIRCUIT
Inventors: Jean-Michel Daga and Emmanuel
Racape (Both of Atmel-Rousset, France)
Our ref: ATM-276 (03-34)

Dear John:

Enclosed is a copy of a first draft of the above-identified patent application. Please review the attached documents and forward a copy of these documents on to the inventors so that we may receive their comments. If it is O.K. as is, you may simply authorize us to have our French associate file it.

If you have any questions regarding the above, please feel free to contact us.

Very truly yours,

Thomas Schneck

TS:sa

Encl: Draft appln. w/dwgs.

W



ATMEL CORPORATION
2325 Orchard Parkway
San Jose, California 95131

John McGuire
Intellectual Property Counsel
jmcguire@atmel.com

- PRIVILEGED AND CONFIDENTIAL -

EXHIBIT 2

**Legal Department
FACSIMILE TRANSMISSION**

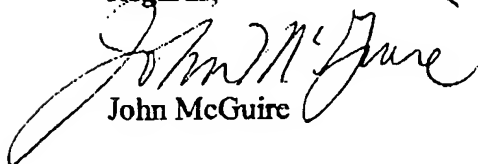
To:	Tom Schneck	Date:	December 4, 2003
Company:	Law Offices of Schneck & Schneck	From:	John McGuire
Phone #:	(408) 297-9733	Phone #:	(408) 487-2997
Fax #:	(408) 297-9748	Fax #:	(408) 487-2615
CC:		No. Pages:	2 (including cover page)
Regarding:	ATM-276 (03-34) "High Efficiency, Low Cost Charge Pump Circuit" Inventors: Jean-Michel Daga and Emmanuel Racape (Atmel-Rousset, France)		

Dear Tom,

The inventors have provided their comments on the revised draft patent application that you sent to us on November 21, 2003. Please review the attached comments and make the necessary revisions to the patent application. It seems that, after the revision noted in the inventors' comments is made, the application will be ready for filing in France. Please proceed with filing the application with the French Patent Office as soon as possible.

If you have any questions, or require any additional information, please feel free to contact me. Thanks.

Regards,


John McGuire

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**EXHIBIT 3**

BREVET D'INVENTION

CERTIFICAT D'UTILITÉ - CERTIFICAT D'ADDITION

COPIE OFFICIELLE

Le Directeur général de l'Institut national de la propriété industrielle certifie que le document ci-annexé est la copie certifiée conforme d'une demande de titre de propriété industrielle déposée à l'Institut.

Fait à Paris, le 22 SEP. 2004

Pour le Directeur général de l'Institut
national de la propriété industrielle
Le Chef du Département des brevets

A handwritten signature in black ink, appearing to read 'M. Planche', enclosed within a large, loopy oval stroke.

Martine PLANCHE



26 bis, rue de Saint Pétersbourg
75800 Paris Cedex 08
Téléphone : 33 (1) 53 04 53 04 Télécopie : 33 (1) 42 94 86 54

BREVET D'INVENTION CERTIFICAT D'UTILITÉ

Code de la propriété intellectuelle - Livre VI



N° 11354*02

REQUÊTE EN DÉLIVRANCE page 1/2

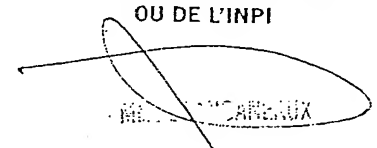


Cet imprimé est à remplir lisiblement à l'encre noire

CR 550 G W / 010901

REMISE DES PIÈCES DATE 19 DEC 2003 LIEU INPI PARIS 34 SP N° D'ENREGISTREMENT 0315119 NATIONAL ATTRIBUÉ PAR L'INPI DATE DE DÉPÔT ATTRIBUÉE PAR L'INPI 19 DEC. 2003		<input checked="" type="checkbox"/> NOM ET ADRESSE DU DEMANDEUR OU DU MANDATAIRE À QUI LA CORRESPONDANCE DOIT ÊTRE ADRESSÉE BREESE-MAJEROWICZ 3 avenue de l'Opéra 75001 PARIS	
Vos références pour ce dossier (facultatif) 35397/FR			
Confirmation d'un dépôt par télécopie		<input type="checkbox"/> N° attribué par l'INPI à la télécopie	
<input checked="" type="checkbox"/> NATURE DE LA DEMANDE		Cochez l'une des 4 cases suivantes	
Demande de brevet		<input checked="" type="checkbox"/>	
Demande de certificat d'utilité		<input type="checkbox"/>	
Demande divisionnaire		<input type="checkbox"/>	
Demande de brevet initiale		N°	Date
ou demande de certificat d'utilité initiale		N°	Date
Transformation d'une demande de brevet européen		<input type="checkbox"/>	Date
Demande de brevet initiale		N°	Date
<input checked="" type="checkbox"/> TITRE DE L'INVENTION (200 caractères ou espaces maximum) CIRCUIT DE POMPE A CHARGE A RENDEMENT ELEVE, A FAIBLE COUT			
<input checked="" type="checkbox"/> DÉCLARATION DE PRIORITÉ OU REQUÊTE DU BÉNÉFICE DE LA DATE DE DÉPÔT D'UNE DEMANDE ANTÉRIEURE FRANÇAISE		Pays ou organisation Date N° Pays ou organisation Date N° Pays ou organisation Date N° <input type="checkbox"/> S'il y a d'autres priorités, cochez la case et utilisez l'imprimé «Suite»	
<input checked="" type="checkbox"/> DEMANDEUR (Cochez l'une des 2 cases)		<input checked="" type="checkbox"/> Personne morale <input type="checkbox"/> Personne physique	
Nom ou dénomination sociale		Atmel Corporation	
Prénoms			
Forme juridique		constituée selon les lois de l'État du Delaware	
N° SIREN			
Code APE-NAF			
Domicile ou siège	Rue	2325 Orchard Parkway	
	Code postal et ville	SAN JOSE California 95131	
	Pays	U.S.A.	
Nationalité		U.S.A.	
N° de téléphone (facultatif)		N° de télécopie (facultatif)	
Adresse électronique (facultatif)			
<input type="checkbox"/> S'il y a plus d'un demandeur, cochez la case et utilisez l'imprimé «Suite»			

Remplir impérativement la 2^{ème} page

REMISE DES PIÈCES DATE 19 DEC 2003 UE75 INPI PARIS 34 SP N° D'ENREGISTREMENT 0315119 NATIONAL ATTRIBUÉ PAR L'INPI		Réservé à l'INPI
Vos références pour ce dossier : <i>(facultatif)</i>		35397/FR
1 MANDATAIRE (s'il y a lieu)		
Nom		BREESE
Prénom		Pierre
Cabinet ou Société		BREESE-MAJEROWICZ
N° de pouvoir permanent et/ou de lien contractuel		
Adresse	Rue	3 avenue de l'Opéra
	Code postal et ville	75 001 Paris
	Pays	France
N° de téléphone <i>(facultatif)</i>		01 47 03 67 77
N° de télécopie <i>(facultatif)</i>		01 47 03 67 78
Adresse électronique <i>(facultatif)</i>		office@breese.fr
2 INVENTEUR (S)		
Les inventeurs sont nécessairement des personnes physiques		
Les demandeurs et les inventeurs sont les mêmes personnes		<input type="checkbox"/> Oui <input checked="" type="checkbox"/> Non : Dans ce cas remplir le formulaire de Désignation d'inventeur(s)
3 RAPPORT DE RECHERCHE		
Uniquement pour une demande de brevet (y compris division et transformation)		
Établissement immédiat ou établissement différé		<input checked="" type="checkbox"/> Établissement immédiat <input type="checkbox"/> Établissement différé
Paiement échelonné de la redevance <i>(en deux versements)</i>		Uniquement pour les personnes physiques effectuant elles-mêmes leur propre dépôt <input type="checkbox"/> Oui <input checked="" type="checkbox"/> Non
4 RÉDUCTION DU TAUX DES REDEVANCES		
Uniquement pour les personnes physiques		
<input type="checkbox"/> Requête pour la première fois pour cette invention (joindre un avis de non-imposition) <input type="checkbox"/> Obtenue antérieurement à ce dépôt pour cette invention (joindre une copie de la décision d'admission à l'assistance gratuite ou indiquer sa référence) : AG		
Si vous avez utilisé l'imprimé «Suite», indiquez le nombre de pages jointes		
10 SIGNATURE DU DEMANDEUR OU DU MANDATAIRE (Nom et qualité du signataire) BREESE Pierre 921038		VISA DE LA PRÉFECTURE OU DE L'INPI 

EXHIBIT

PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	ATM-276
First Inventor	Jean-Michel Daga
Title	HIGH EFFICIENCY, LOW COST, CHARGE PUMP CIRCUIT.
Express Mail Label No.	EL 980275916 US

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria VA 22313-1450

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages 25]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
- Oath or Declaration [Total Sheets 3]
 - ☒ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Reader Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ Paper
 - ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1499 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☒ Other: Added Page; Cert. of Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner _____ Art Unit: _____
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

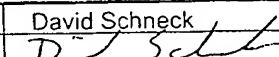
19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

003897

(Insert Customer No. or Attach bar code label here)

OR ☒ Correspondence address below

Name	Schneck & Schneck						
Address	P.O. Box 2-E						
City	San Jose	State	CA	Zip Code	95109-0005		
Country	USA	Telephone	408/297-9733	Fax	408/297-9748		
Name (Print/Type)	David Schneck			Registration No. (Attorney/Agent)	43,094		
Signature				Date	03/26/2004		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,028.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Jean-Michel Daga
Examiner Name	
Art Unit	
Attorney Docket No.	ATM-276

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 19-0590
Deposit Account Name: Schneck & Schneck

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 770.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims: 18
Independent Claims: 6
Multiple Dependent: 12
Extra Claims: 0
Fee from below: 86
Fee Paid: 258

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 258.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$

SUBMITTED BY

Name (Print/Type)	David Schneck	Registration No. (Attorney/Agent)	43,094	Telephone	(408) 297-9733
Signature		Date	March 26, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UTILITY PATENT APPLICATION TRANSMITTAL - Added Page.

Attorney Docket No.: ATM-276

Title of Invention: HIGH EFFICIENCY, LOW COST,
CHARGE PUMP CIRCUIT

Inventors: Jean-Michel Daga et al.

This application claims priority from:

<u>France</u>	<u>03/15119</u>	<u>Dec. 19, 2003</u>
Country	Appln. No.	Filing Date

ATM-276

Certificate under 37 CFR 1.10 of Mailing by "Express Mail"

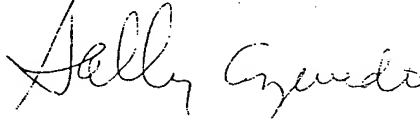
EL 980275916 US

March 26, 2004

"Express Mail" label number

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, ~~Washington, D.C. 20231~~. Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.



Signature of person mailing correspondence

Sally Azevedo

Typed or printed name of person mailing correspondence

Note: Each paper must have its own certificate of mailing by "Express Mail".

EXHIBIT 4

PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	ATM-276
	First Inventor	Jean-Michel Daga
	Title	HIGH EFFICIENCY, LOW COST, CHARGE PUMP CIRCUIT.
	Express Mail Label No.	EL 980275916 US

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450
--	---

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
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(preferred arrangement set forth below)
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 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
- Oath or Declaration [Total Sheets 3]
 - ☒ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

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 - ☐ Computer Reader Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ Paper
 - ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
- ☐ English Translation Document *(if applicable)*
- ☐ Information Disclosure Statement (IDS)/PTO-1499 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☒ Other: Added Page; Cert. of Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____ Art Unit: _____
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label 003897 OR ☒ Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	Schneck & Schneck				
Address	P.O. Box 2-E				
City	San Jose	State	CA	Zip Code	95109-0005
Country	USA	Telephone	408/297-9733	Fax	408/297-9748

Name (Print/Type)	David Schneck	Registration No. (Attorney/Agent)	43,094
Signature	<i>D. Schneck</i>	Date	03/26/2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,028.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Jean-Michel Daga
Examiner Name	
Art Unit	
Attorney Docket No.	ATM-276

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number
Deposit Account Name

19-0590

Schneck & Schneck

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 770.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
18	-20** = 0		
6	-3** = 3	86	258
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 258.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	David Schneck	Registration No. (Attorney/Agent)	43,094	Telephone	(408) 297-9733
Signature	<i>D. Schneck</i>	Date	March 26, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UTILITY PATENT APPLICATION TRANSMITTAL - Added Page.

Attorney Docket No.: ATM-276

Title of Invention: HIGH EFFICIENCY, LOW COST,
CHARGE PUMP CIRCUIT

Inventors: Jean-Michel Daga et al.

This application claims priority from:

<u>France</u>	<u>03/15119</u>	<u>Dec. 19, 2003</u>
Country	Appln. No.	Filing Date

ATM-276

Certificate under 37 CFR 1.10 of Mailing by "Express Mail"

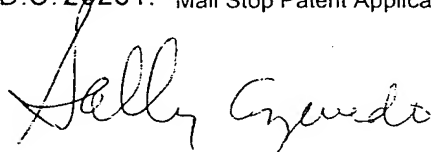
EL 980275916 US

"Express Mail" label number

March 26, 2004

Date of Deposit

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Signature of person mailing correspondence

Sally Azevedo

Typed or printed name of person mailing correspondence

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 Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	ATM-276
	First Named Inventor	Jean-Michel Daga
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HIGH EFFICIENCY, LOW COST, CHARGE PUMP CIRCUIT

the specification of which (Title of the Invention)

☒ is attached hereto
 OR
☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
03/15119	France	12/19/2003	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☒ Customer Number **003897** → ☐ Registered practitioner(s) name/registration number listed below

Place Customer Number Bar Code Label here

Name	Registration Number	Name	Registration Number
Thomas Schneck	24,518	David M. Schneck	43,094
Mark Protsik	31,788	Nissa Strottman	52,257
Gina McCarthy	42,986	Kwan Chan	52,714
		Bradley W. Scheer	47,059

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number **003897** OR ☒ Correspondence address below

Name	Law Offices of Schneck & Schneck				
Address	P.O. Box 2-E				
Address					
City	San Jose	State	CA	ZIP	95109-0005
Country	USA	Telephone	408/297-9733	Fax	408/297-9748

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))	Family Name or Surname
Jean-Michel	Daga

Inventor's Signature					Date	03/11/2004	
Residence: City	Rousset	State		Country	France	Citizenship	France
Post Office Address	Le Pepidon						
Post Office Address	Quartier les Pres						
City	Rousset	State		ZIP	13790	Country	France

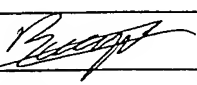
☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → ☐

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Emmanuel				Racape			
Inventor's Signature						Date	03/11/2009
Residence: City	Aix en Provence	State		Country	France	Citizenship	France
Post Office Address	48, Avenue des Ecoles Militaires						
Post Office Address							
City	Aix en Provence	State		ZIP	13100	Country	France
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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